

Research Opportunities in AI + Transportation

MASTER'S • PHD | Zhejiang University | FALL 2027

I am [Zhanhong Cheng](#), a ZJU 100 Young Professor at the Institute of Intelligent Transportation Systems, College of Civil Engineering and Architecture, Zhejiang University. I am currently recruiting international graduate students — at the Master's or PhD level — with at least one position available for Fall 2027. Current research opportunities are centered on three themes:

1. **Generative Mobility and Policy Analysis.** Generative models of daily activities and mobility trajectories for travel-demand synthesis, missing-data recovery, and transportation-policy scenarios.
2. **AI-driven Traffic Simulation.** Learning realistic vehicle-pedestrian and vehicle-vehicle interactions from real-world multimodal data, and developing realistic simulation methods for intersections and other fine-grained traffic units.
3. **Forecasting with Large Language Models and Multimodal Data.** Combining quantitative data, textual evidence, images, and traditional models to forecast transportation demand, infrastructure performance, and policy outcomes.

International students from transportation, civil engineering, computer science, statistics, applied mathematics, control, GIS, urban planning, and related fields are encouraged to apply.

About Zhejiang University

Zhejiang University is one of China's leading research universities and is ranked **No. 47 worldwide in the QS World University Rankings 2027**.

Hangzhou is the capital of Zhejiang Province and a major economic, cultural, scientific, and educational center. It is a major center for the digital economy and AI, and home to technology companies and innovators including [Alibaba](#) and [DeepSeek](#). This ecosystem offers a valuable setting for connecting academic research with real urban problems and future careers.

Admissions And Scholarships

Scholarships:

- **CSC Type B** (full scholarship: tuition, accommodation or allowance, stipend, and medical insurance);
- **CSC Type A** (full or partial scholarship applied for through the dispatching authority in the applicant's home country);
- **Zhejiang Government Scholarship** (currently RMB 30,000 for one year, reapplication subject to performance).

The current links describe the 2026 cycle; Fall 2027 applicants must follow the updated official rules and deadlines. Scholarships are competitive and are not guaranteed by a supervisor's preliminary acceptance. See: [International Admissions](#) | [Master's Guide](#) | [PhD Guide](#) | [Scholarship Information](#)

Language:

English can be used as the working language in our group. Applicants must meet the official language requirements of the selected ZJU program. HSK is generally not required for admission to an English-taught program. For applicants required to provide evidence of English proficiency, currently accepted evidence includes IELTS 6.5, TOEFL 90, Duolingo 120, CAE/CPE 180, or an official certificate confirming that the applicant's previous degree was taught in English.

How to Apply

Please email zhanhong.cheng@zju.edu.cn with: (1) CV; (2) academic transcripts; (3) a one-page statement of research interests; (4) one representative work, if available; and (5) expected starting date.

Subject: *Application — PhD/Master — Name — Current University.*

Please contact me well before the official deadlines, especially if you intend to apply for scholarships.